

IN THE DRAWINGS:

Please amend claim 2 as shown in RED in the attached proposed drawing change.

IN THE SPECIFICATION:

At page 7, after the last sentence thereof, please insert the following: ~~As also shown in Figure 2 the cleaning solution is fed to the respective scraper rings 3 via common feed piping 5 which moves with the scraper rings 3 as they are reciprocated up and down the light transmission tubes 2.--~~

IN THE CLAIMS:

Please cancel claim 4.

Please amend claims 1 and 11 as follows:

- 1 1. (Amended) An ultraviolet light irradiation apparatus
2 for irradiating untreated water or other fluids, comprising:
3 a light transmission tube having an internal light
4 irradiation lamp;
5 a scraper ring slidably and tightly fitted to the
6 circumference surface of the light transmission tube;
7 said scraper ring having an internal cleaning solution
8 chamber communicating with means for providing a chemical
9 solution [pipe]; [and]
10 wherein said scraper ring is movably mounted so as to be
11 reciprocally moved over the circumference surface of said light
12 transmission tube to clean said light transmission tube and

Q2
Concl'd
13 wherein said means for providing a chemical solution feeds the
14 cleaning solution into said cleaning solution chamber as said
15 scraper ring is reciprocally moved; and
16 mechanical means for reciprocally sliding said scraper ring
17 over the circumference surface of said light transmission tube.

[In claim 5, line 2, please change "4" to --1--.

A3
10
11. (Amended) The ultraviolet ray irradiation apparatus as
2 claimed in claim 1, wherein the cleaning solution chamber has an
3 open annular configuration such that the opening portion is
4 adjacent to and circles the surface of the light transmission
5 tube and wherein the means for providing a chemical solution
6 introduces the chemical solution into the chamber so that the
7 solution flows annularly over the surface of the light
8 transmission tube.

7

~~12~~
~~--13.~~

13
~~14.~~

$$a^{\frac{1}{2}}_3$$

16 with said scraper rings as they are reciprocated over said light
17 transmission tubes.

1 ¹⁵~~16~~. The ultraviolet ray apparatus of claim ¹⁴~~15~~, wherein said
2 means for supplying cleaning solution is a common supply pipe
3 communicating with said plurality of cleaning solution chambers.

A4
1 ¹⁶~~17~~. A method for cleaning the surface of a UV light
2 emitting tube of a light irradiating apparatus immersed in a
3 liquid to be treated, employing a scraper ring having an annular
4 chamber fitted over the tube, comprising the steps of:
5 reciprocating the scraper ring back and forth over the
6 surface of the tube; and
7 feeding a chemical cleaning solution into the chamber, so as
8 to annularly flow about the surface of the tube, while the
9 scraper ring is reciprocated along the tube.--
